

Title (en)

BIPOLAR PLATE FOR A FUEL CELL

Title (de)

BIPOLARE PLATTE FÜR EINE BRENNSTOFFZELLE

Title (fr)

PLAQUE BIPOLAIRE POUR UNE CELLULE ELECTROCHIMIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0219453A1] The invention relates to a bipolar plate for application in a fuel cell, comprising a channel forming structure. The bipolar plate further comprises, at least partly, a porous region, which borders a formed channel. According to the invention, in a fuel cell with the above bipolar plate, an improved distribution of the operating material under differing load conditions (high and low throughflow) with reduced pressure loss is made possible by means of the combination of channels and open pores within the porous region. The above regularly leads to an improved efficiency for the fuel cell.

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